

REVESTIMIENTO PÉTREO FINO

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: REVESTIMIENTO PETRÉO FINO

1.2 Relevant identified uses and uses advised against:

Relevant uses: Decorative paint.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

ARTE OSAKA S.A.

www.arteosaka.com y www.osaka.es

C/Dublín nº1 (Polígono Industrial) 28813 Torres de la Alameda. (Madrid)

Tel.: 91 830 46 15 - Fax: 91 886 34 63

E-mail address of the person responsible for the safety data sheet

e-mail: osaka@osaka.es

1.4 Emergency telephone number: +34 91 830 46 15 (8:30 – 14:30 hours) (working hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture:

CLP Regulation (EC) nº 1272/2008:

The product is classified as dangerous according to CLP Regulation (EC) nº 1272/2008.

Eye Dam. 1: Causes serious eye irritation

2.2 Label elements:

CLP Regulation (EC) nº 1272/2008:

Pictogram



Hazard:

Warning

Hazard indications:

H 318: Causes serious eye irritation.

Precautionary indications:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use

P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Substances that contribute to the classification:

Calcium hydroxide CAS: 1305-62-0

2.3 Other hazards:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS


Chemical description:

Aqueous mixture composed of pigments, extenders, resins and additives.

Dangerous ingredients:

In accordance with Annex II of Regulation (EC) nº1907/2006 (point 3), the product contains:

Identificación	Nombre	Concentración
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CAS: 1305-62-0	Dihidróxido cálcico			34% ≤ x ≤ 40%
	Reglamento 1272/2008	H 315, H318, H 335		

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the MSDS of this product. **By inhalation:** This product is not classified as dangerous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Security Data Sheet. **By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

By consumption:

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive subproducts are created (CO₂, CO, NO_x,...) that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Keep dust levels to a minimum. Keep unprotected persons away. Avoid contact with skin, eyes,

and clothing – wear suitable protective equipment (see section 8). Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable protective equipment (see section 8). **6.2 Environmental precautions:**

Not classified as dangerous for the environment. Keep product away from drains, surface and groundwater.
Avoid contamination of drains, surface or subterranean water and soil.

6.3 Methods and material for containment and cleaning up:

Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc.). Avoid use of solvents.
Keep the remains in a closed container.

6.4 Reference to other sections:

For exposure controls and personal protection measures, see section 8.
For subsequent waste disposal, follow the recommendations in section 13.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Comply with the existing legislation on health and safety at work.
General recommendations:
Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
Not applicable.
Recommendations for the prevention of toxicological risks:
Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.

7.2 Conditions for safe storage, including any incompatibilities:

Prevent unauthorized access. Keep out of reach of children. Keep away from sources of heat. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.
Class of store: According to current legislation.
Maximum storage period: 18 months in original unopened packaging
Incompatible materials:
Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.
Type of packaging:
According to current legislation.
Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:
Lower threshold: 50 tons , Upper threshold: 200 tons

7.3 Specific end uses:

For the use of this product do not exit particular recommendations apart from that already indicated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Occupational Exposure Limit Values (TLV) AGCIH-2009

Not available

Biological Limit Values:

Not available

Derived no-effect level (DNEL) for workers:

Not available

Predicted no-effect concentration (PNEC):

Not available

8.2 Exposure controls:

OCCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

Protection of respiratory system:

Avoid the inhalation of vapours. Avoid the inhalation of particles or spray mist arising from the application of this preparation.

- Mask:

Suitable combined filter mask for gases, vapours and particles (EN141/EN143). In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers.

Protection of eyes and face:

Install emergency eye baths close to the working area.

- Goggles:

Safety goggles designed to protect against liquid splashes, with suitable lateral protection (EN166).

- Face shield: No.

Protection of hands and skin:

Install emergency showers close to the working area. Barrier creams may help to protect the exposed areas of the skin.

Barrier creams should not be applied once exposure has occurred.

- Gloves:

Gloves resistant against chemicals (EN374). The breakthrough time of the selected glove material should be in accordance

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PINTURA DECORATIVA

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with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. The gloves should be immediately replaced when any sign of degradation is noted.

- Boots: No.
- Apron: No.
- Clothing: Advisable.

Environmental exposure controls:

Avoid any spillage in the environment. Avoid any release into the atmosphere.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not allow to escape into drains, sewers or water courses.

Emissions to the atmosphere: Because of volatility, emissions to the atmosphere while handling and use may result. Avoid any release into the atmosphere.

VOC (product ready for use*): It is applicable the Directive 2004/42/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents: PAINTS AND VARNISHES (defined in the Directive 2004/42/EC, Annex II.A): Emission subcategory L) for product ready for use is < 13.0 g/l* (VOC max. 200. g/l starting from 01.01.2010).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance

- Physical state : Viscous liquid.

- Colour : Diverse.

- Odour : Characteristic.

- Odour threshold : Not available

pH-value: > 12.0 at 20°C

Change of state

- Freezing point : Not available

- Initial boiling point : > 100. °C at 760 mmHg

Density

- Relative density : 1.65– 1.67 g/cc at 20°C

Stability

- Decomposition temperature : Not applicable

Viscosity:

- Dynamic viscosity: 7500 – 9000 mPa·s 20°C

Volatility:

- Vapour pressure (mmHg at 20°C): Not applicable

- Vapour pressure (kPa at 50°C): Not applicable

Solubility(ies)

- Solubility in water: Miscible

- Solubility in oils and fats: : Not applicable

- Partition coefficient: n-octanol/water : Not applicable

Flammability:

- Flash point : Not applicable

- Upper/lower flammability or explosive limits: Not applicable

- Autoignition temperature : Not applicable

Explosive properties:

Not applicable.

Oxidizing properties:

Not applicable.

9.2 Other information:

- Solids : 72 ± 1.0 % Weight

- VOC (supply) : < 13.0 g/l

The values indicated do not always coincide with the product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.

SECTION 10: ACCIDENTAL RELEASE MEASURES

10.1 Reactivity:

Not available.

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10.2 Chemical stability:

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions:

Possible dangerous reaction with oxidizing agents.

10.4 Conditions to avoid:

- Heat: Keep away from sources of heat.
- Light: If possible, avoid direct contact with sunlight.
- Air: Not applicable.
- Pressure: Not applicable.
- Shock: Not applicable.

10.5 Incompatible materials:

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

10.6 Hazardous decomposition products:

As consequence of thermal decomposition, hazardous products may be produced: carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

Information on toxicological effects:

Routes of exposure: May be absorbed by inhalation of vapour, through the skin and by ingestion.

Short-term exposure: May irritate the eyes and skin.

Long-term or repeated exposure: Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

DOSE AND LETHAL CONCENTRATIONS

for individual ingredients: Not available

SECTION 12: ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC. **12.1**

Toxicity:

for individual ingredients :

Not available

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available.

12.4 Mobility in soil:

Not available.

12.5 Results of pbt and mpmb assesment:

Not available.

12.6 Other adverse effects:

Ozone depletion potential: Not available.

Photochemical ozone creation potential: Not available.

Earth global warming potential: Not available.

Endocrine disrupting potential: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: directive 2008/98/ec:

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:

Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. Procedures for neutralising or destroying the product:

Authorised landfill in accordance with local regulations.

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SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR / RID, IMG, IATA)

SECTION 15: REGULATORY INFORMATION

15.1 EU safety, health and environmental regulations/legislation specific:

VOC information on the label:

Contains VOC max. < 13.0 g/l - The limit value 2004/42/CE-II cat. A Subcat. L) for the product ready for use is VOC max. 200.0 g/l (2010).

Restrictions:

Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No.

1907/2006: Not applicable.

Recommended restrictions on use:

Not applicable.

Other regulations:

Not available

15.2 Chemical safety assessment:

Not available.

SECTION 16: OTHER INFORMATION

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No.453/2010.

16.1 Hazard statements.

Not applicable.

16.2 Precautionary statements.

Not applicable.

16.3 Risk phrases.

Not applicable.

16.4 Safety phrases.

Not applicable.

16.5 Key literatura:

European Chemicals Bureau: Existing Chemicals, <http://ecb.jrc.ec.europa.eu/esis/>

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This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.

- END OF THE SAFETY DATA SHEET -

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